

## **Bellwork: 9/24/12**

The cost of a field trip is \$545 plus \$6 per student. If the school can spend at most \$1200, how many students can go on the field trip?

$$\begin{array}{rcl} \text{At most} & 545 + 6x \leq 1200 & \\ & -545 & -545 \\ \hline & 6x \leq 655 & \\ & \frac{6x}{6} \leq \frac{655}{6} & \\ & x \leq 109.1\bar{2} & \end{array}$$

109 students  
can attend the  
field trip.

36)  $\frac{2x}{2} > -\frac{10}{2}$  and  $\frac{9x}{9} < \frac{18}{9}$   
 $x > -5$   $x < 2$



$(-5, 2)$

$$\textcircled{34} \quad 4x - 8 > 1 + 4(x + 3)$$

$$4x - 8 > 1 + 4x + 12$$

$$\begin{array}{r} 4x - 8 > 4x + 13 \\ -4x \quad -4x \\ \hline \end{array}$$

$$-8 > 13$$

False

$$0 > 21$$

$$-21 > 0$$

**Never**

**Review for Quiz on Inequalities:**

**textbook: pg 38 #21-43 odd only!**